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CLEAN VERSION - REPLACEMENT PAGES

The cover which is used in the system of the present invention is preferably a buoyant type cover comprised of a plurality of interconnected buoyant slats. When this cover is wound onto a drum, particularly when the latter is in a submerged condition, as

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cover drum and may be unrolled therefrom to extend over the upper surface 94 of a swimming pool body of water.

Also mounted on the drum shaft 90 and being co-axial with the drum 84 is a cable reel 96 and which receives a cable 98. The cable 98 is trained about a cable spool 100 which is, in turn, coupled to and driven by a motor 102. It can be observed that the motor has an output shaft 104 which is connected to a worm gear reducer 106, the latter of which serves to provide a braking action to the cover drum. The reducer 106 is mounted to the cable spool 100 for rotating same. Since the steel cable may be as thin as two or three millimeters, the reel could be mounted on the inside of the pool wall. At approximately twenty revolutions of the drum to close the pool, a three to four layer cable buildup would amount to a cable reel width of only eight to 10 millimeters.

The motor 102 can be any type of power drive as, for example, an electrical motor, or a hydraulic motor, or the like. It is only important to provide rotating power to the spool 100 upon a driving command. It should also be observed that the cable spool 102 and the drive motor 102 is remotely located with respect to the pool cover mechanism 82. In this way, the cable can be trained through a wall or other structure and connected to the spool 100 when the latter is in a remote location.